

Amendments to the Drawings

The attached sheet of drawings includes changes to Figs. 3A-3C. In Figs. 3A-3C, the notation --Prior Art-- has been added.



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FIG. 3A

```
DO i=1,N
  s=s+A[L[i]]
END DO
```

Prior Art*FIG. 3B*

```
DO i=1,N,4
  PREFETCH L[i+α]
  s=s+A[L[i]]
  s=s+A[L[i+1]]
  s=s+A[L[i+2]]
  s=s+A[L[i+3]]
END DO
```

Prior Art*FIG. 3C*

```
DO i=1,N,4
  PREFETCH L[i+2 α]
  t0= L[i+α]
  PREFETCH A[t0]
  t1= L[i+1+α]
  PREFETCH A[t1]
  t2= L[i+2+α]
  PREFETCH A[t2]
  t3= L[i+3+α]
  PREFETCH A[t3]
  s=s+A[L[i]]
  s=s+A[L[i+1]]
  s=s+A[L[i+2]]
  s=s+A[L[i+3]]
END DO
```

Prior Art